



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT5022AL120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Thu Aug 16 09:54:10 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDLOWT5022AL120-277[\_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12426
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS830LEDHTLOWT5022AL120-277V\_P.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4447	3737	4447
55	2706	2206	2706
65	1785	1409	1785
75	838	637	838
85	7	5	7

CANDELA TABULATION

	<u>0</u>
0	7853.840
5	7774.082
10	7628.989
15	7370.521
20	6974.369
25	6558.417
30	6002.253
35	4851.336
40	3297.865
45	1898.770
50	1321.832
55	1121.266
60	908.082
65	694.730
70	490.157
75	294.974
80	111.317
85	2.201
90	0.017
95	0.017
100	0.025
105	0.025
110	0.034
115	0.042
120	0.042
125	0.067
130	0.084
135	0.092
140	0.076
145	0.059
150	0.076
155	0.252
160	1.008
165	1.554
170	1.344
175	1.151
180	6.006

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS830LEDHTLOWT5022AL120-277V\_P.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2809.82	N.A.	22.60
0-30	5818.73	N.A.	46.80
0-40	8776.63	N.A.	70.60
0-60	11389.89	N.A.	91.70
0-80	12393.49	N.A.	99.70
0-90	12424.94	N.A.	100.00
10-90	11687.09	N.A.	94.10
20-40	5966.8	N.A.	48.00
20-50	7579.77	N.A.	61.00
40-70	3302.93	N.A.	26.60
60-80	1003.6	N.A.	8.10
70-80	313.93	N.A.	2.50
80-90	31.45	N.A.	0.30
90-110	0.05	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.26	N.A.	0.00
90-180	0.99	N.A.	0.00
110-180	0.94	N.A.	0.00
0-180	12425.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	737.84
10-20	2071.98
20-30	3008.9
30-40	2957.9
40-50	1612.97
50-60	1000.29
60-70	689.67
70-80	313.93
80-90	31.45
90-100	0.02
100-110	0.03
110-120	0.04
120-130	0.06
130-140	0.07
140-150	0.04
150-160	0.17
160-170	0.38
170-180	0.17

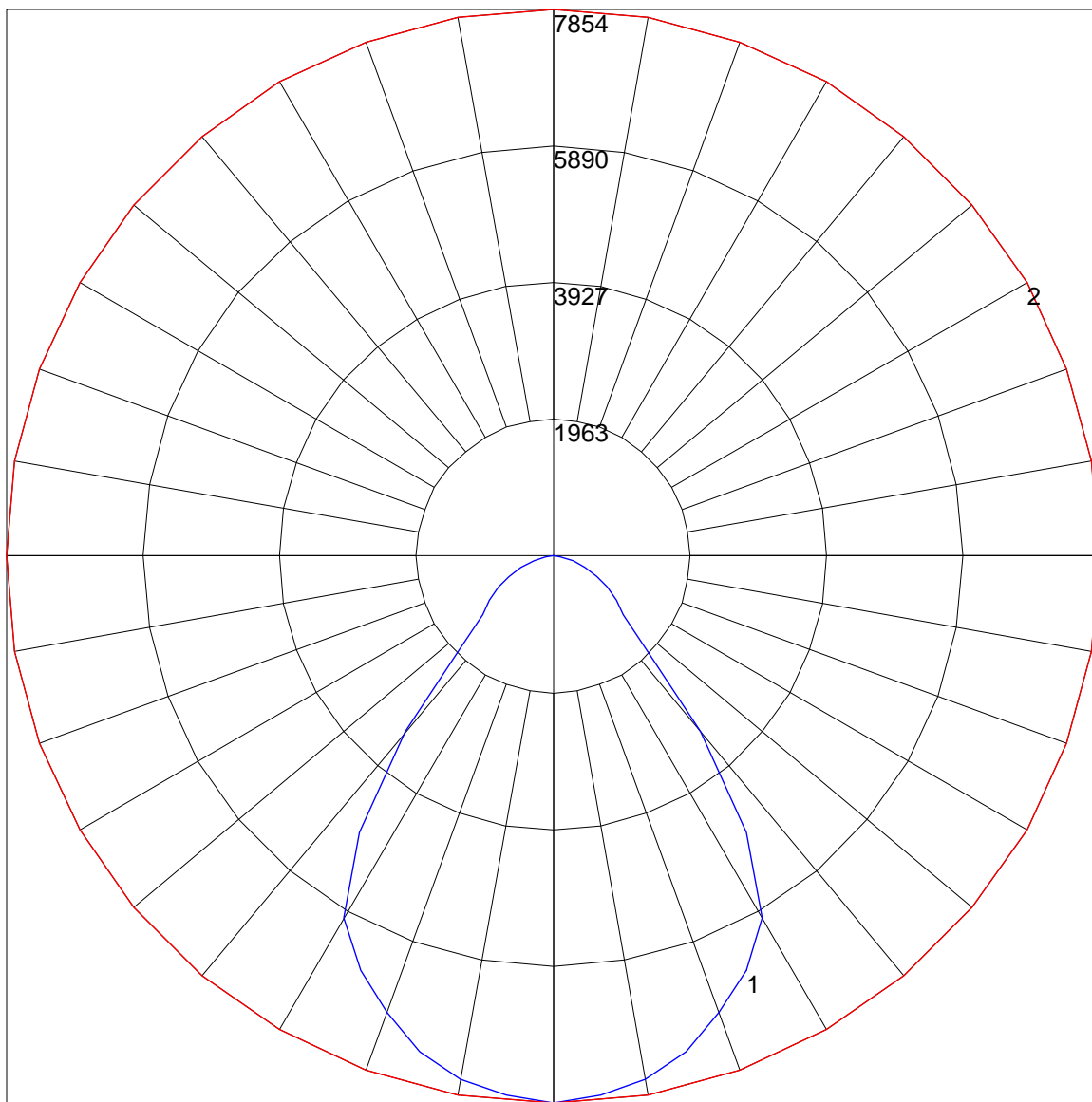
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS830LEDHTLOWT5022AL120-277V\_P.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 7853.84 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)